

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P383135

Luminaire Tested: **GAN-SA4D-735-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383135
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA4D-735-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29803.9 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

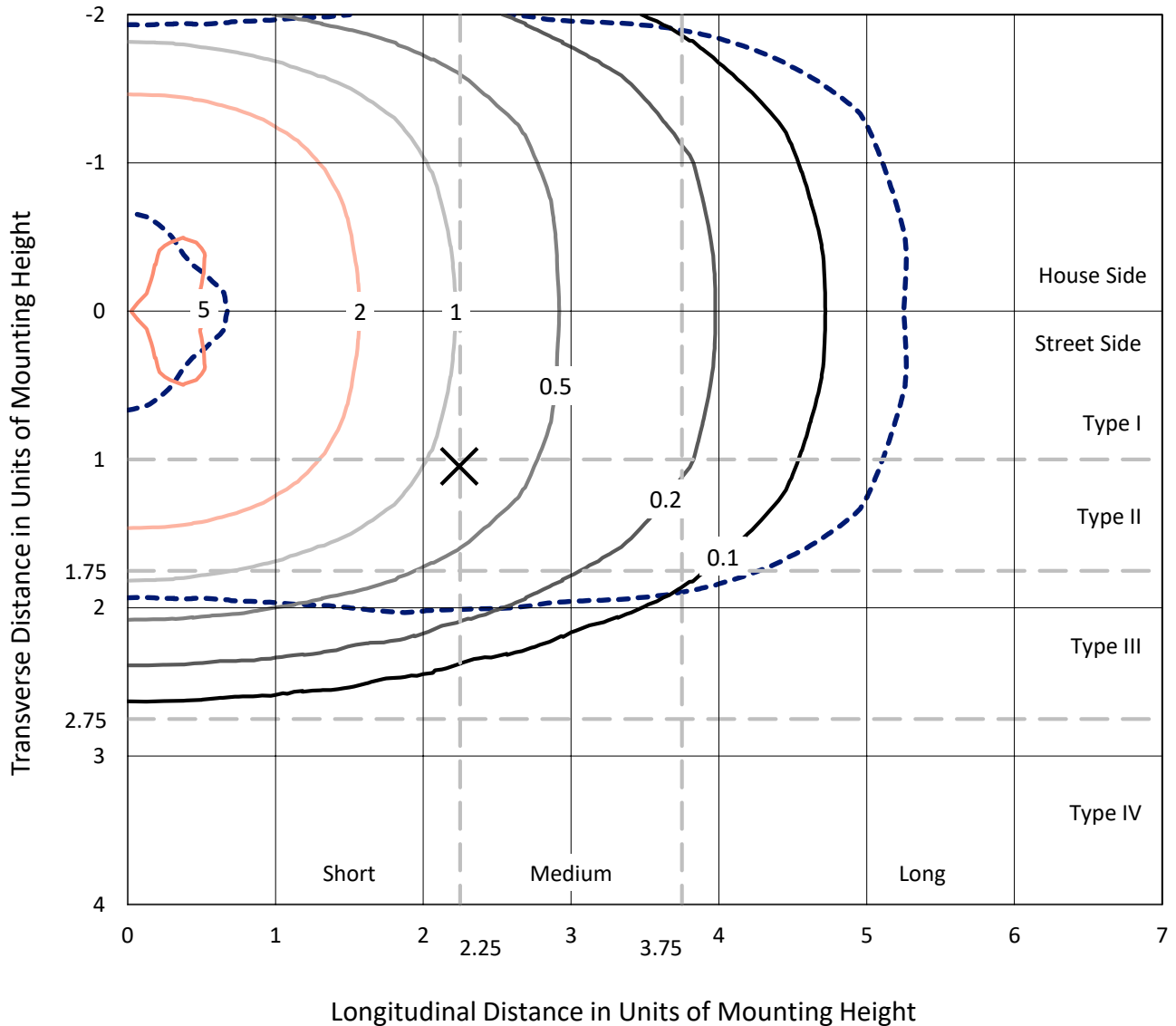
Input Watts (W): 258
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

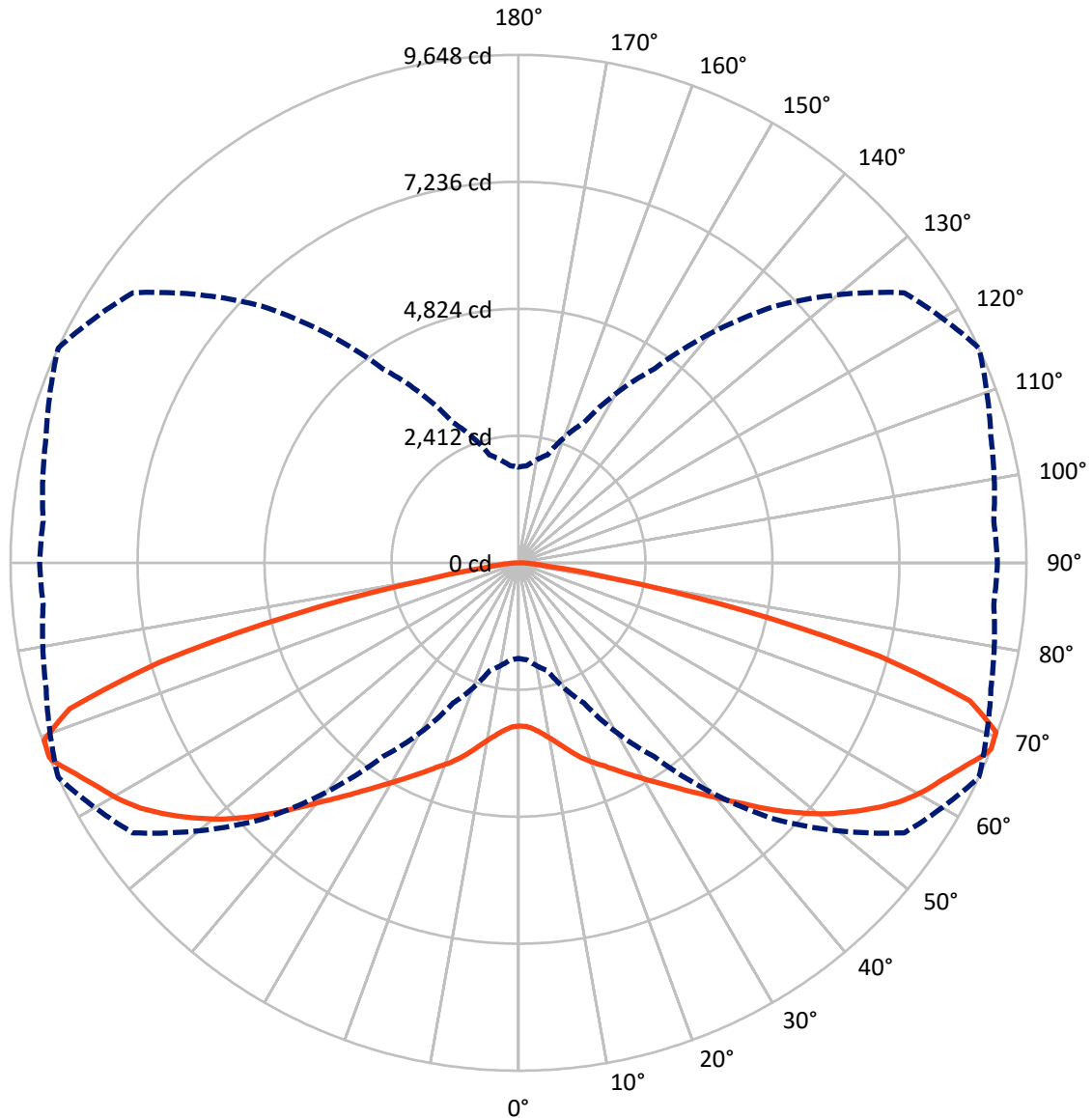
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14902.0	0.0	14902.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14902.0	0.0	14902.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29803.9	0.0	29803.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.4	1.0
10°-20°	1015.9	3.4
20°-30°	1980.8	6.6
30°-40°	3327.6	11.2
40°-50°	5243.1	17.6
50°-60°	7011.7	23.5
60°-70°	6816.3	22.9
70°-80°	3726.1	12.5
80°-90°	379.0	1.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	29803.9	100.0
0°-180°	29803.9	100.0

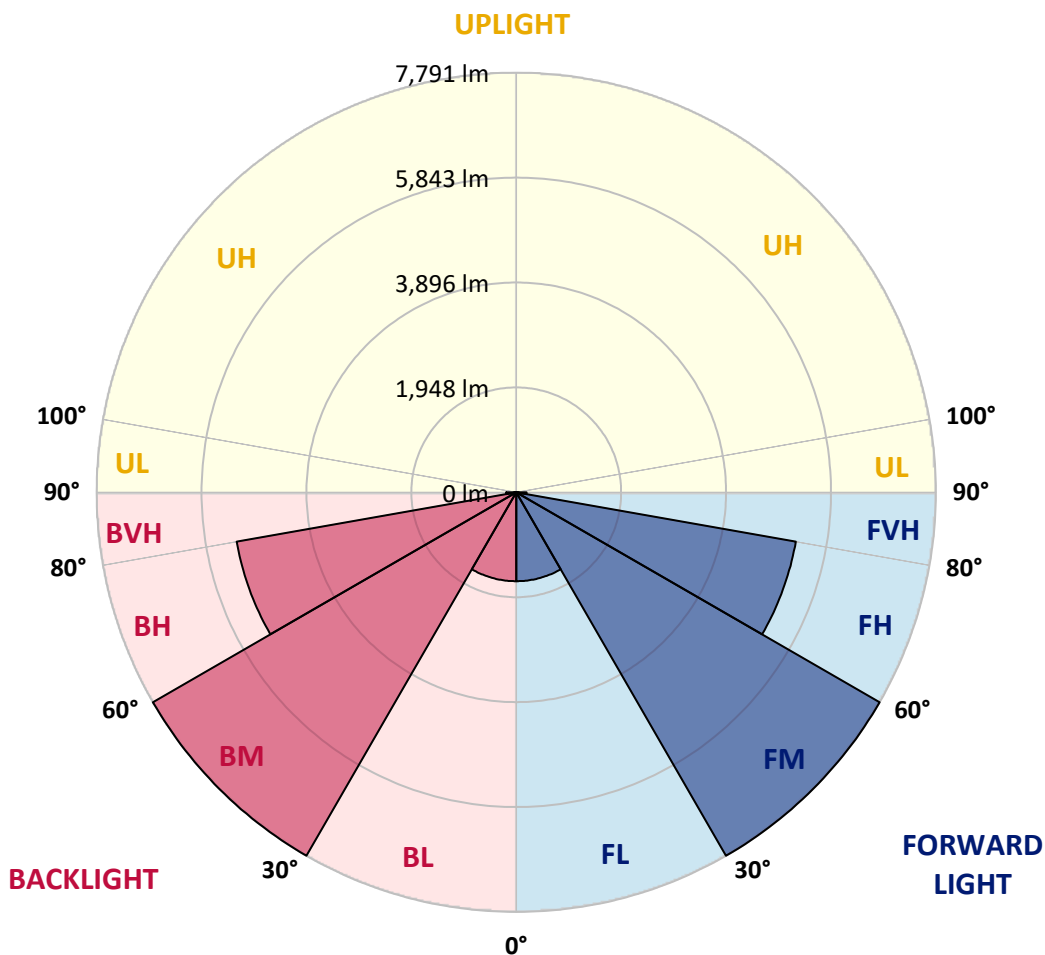


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1650.1	5.5			
FM (30°-60°)	7791.2	26.1			
FH (60°-80°)	5271.2	17.7			G3/7500
FVH (80°-90°)	189.5	0.6			G2/225
BL (0°-30°)	1650.1	5.5	B3/2500		
BM (30°-60°)	7791.2	26.1	B4/8500		
BH (60°-80°)	5271.2	17.7	B5		G5
BVH (80°-90°)	189.5	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3098.9	3098.9	3098.9	3098.9	3098.9	3098.9	3098.9	3098.9	3098.9	3098.9	3098.9
2.5°	3076.9	3077.9	3083.0	3088.9	3093.9	3106.9	3109.9	3114.9	3116.9	3121.9	3121.9
5°	3050.0	3051.9	3064.0	3079.9	3098.0	3129.9	3152.9	3178.8	3191.9	3205.8	3204.8
7.5°	3046.9	3051.9	3068.9	3094.9	3124.9	3177.9	3225.9	3277.7	3312.8	3344.7	3342.8
10°	3077.9	3085.9	3109.9	3148.9	3193.8	3259.8	3330.7	3400.7	3461.6	3510.6	3512.6
12.5°	3124.9	3134.8	3172.9	3231.8	3299.7	3384.7	3468.6	3547.6	3631.5	3704.5	3710.5
15°	3186.8	3199.9	3256.8	3344.7	3448.7	3549.6	3639.6	3720.5	3817.4	3918.4	3928.3
17.5°	3278.8	3296.7	3371.7	3490.6	3627.5	3738.5	3832.4	3893.4	3974.4	4078.2	4097.2
20°	3418.7	3441.7	3536.6	3678.5	3845.4	3961.3	4033.3	4046.3	4086.2	4179.2	4201.2
22.5°	3600.5	3620.6	3726.5	3895.4	4082.2	4208.2	4246.1	4194.2	4190.2	4265.1	4286.1
25°	3803.4	3821.4	3944.4	4134.2	4335.0	4473.9	4473.0	4372.0	4302.1	4360.0	4382.0
27.5°	4031.3	4059.2	4177.2	4377.1	4591.9	4728.8	4720.8	4565.0	4432.0	4447.0	4466.0
30°	4293.1	4324.1	4439.0	4641.9	4856.7	4990.7	4980.6	4774.7	4574.9	4535.0	4548.9
32.5°	4617.9	4654.9	4763.7	4963.7	5153.5	5274.4	5245.5	5002.6	4746.8	4659.9	4672.8
35°	5008.7	5030.6	5145.5	5342.4	5496.3	5579.2	5518.3	5266.4	4964.7	4859.7	4859.7
37.5°	5404.4	5421.3	5550.3	5741.1	5890.0	5934.0	5815.1	5555.3	5249.5	5100.6	5103.6
40°	5784.1	5830.1	5974.9	6170.9	6317.8	6329.8	6171.9	5885.1	5566.3	5412.4	5430.4
42.5°	6180.8	6225.8	6398.7	6620.5	6750.5	6770.4	6585.6	6254.8	5924.0	5799.1	5819.1
45°	6534.6	6570.6	6770.4	7028.2	7190.2	7242.1	7023.2	6678.5	6310.8	6188.8	6193.9
47.5°	6781.4	6828.4	7048.3	7352.1	7587.9	7667.8	7452.9	7091.2	6691.5	6543.6	6556.6
50°	7005.2	7030.3	7253.1	7584.8	7884.7	8049.6	7865.7	7499.0	7076.2	6919.3	6933.3
52.5°	7130.2	7162.2	7378.0	7723.7	8078.6	8344.3	8232.5	7865.7	7448.0	7295.0	7312.1
55°	7043.2	7067.2	7326.1	7754.8	8198.5	8526.3	8543.2	8224.4	7812.7	7678.8	7726.8
57.5°	6647.5	6677.5	6993.3	7554.9	8213.5	8649.1	8777.0	8557.2	8153.5	8044.6	8072.5
60°	6029.0	6047.9	6384.7	7016.2	7921.7	8700.1	8926.0	8829.0	8487.2	8378.3	8416.3
62.5°	4926.7	4954.6	5357.4	6203.8	7305.1	8549.2	9069.9	9053.9	8798.1	8698.1	8732.1
65°	3367.7	3416.7	3862.4	4932.6	6354.7	8087.5	9200.8	9315.8	9072.9	8947.0	8991.9
67.5°	2033.7	2069.6	2392.4	3256.8	4862.7	7156.1	9065.9	9613.5	9266.8	9063.9	9100.8
68°	1817.7	1850.7	2120.6	2939.0	4498.0	6893.4	8943.0	9647.5	9287.7	9061.9	9094.9
70°	1098.3	1120.3	1301.1	1816.8	2998.9	5468.3	8104.6	9619.5	9421.7	9089.9	9108.9
72.5°	715.5	722.5	752.5	932.4	1531.9	3057.9	6082.9	8963.9	9622.5	9252.8	9249.7
75°	594.6	590.6	593.6	614.5	755.5	1341.1	3554.6	7081.3	9172.8	8996.0	8933.0
77.5°	502.7	499.7	498.7	499.7	505.6	647.5	1542.9	4411.1	7019.3	7957.7	8013.5
80°	406.7	402.7	415.7	409.7	391.7	402.7	646.6	1834.8	3308.8	3559.6	3335.8
82.5°	295.8	280.8	336.8	320.8	305.8	283.8	356.8	592.6	789.5	541.6	380.7
85°	227.9	211.8	255.8	245.8	209.9	144.9	211.8	289.8	319.8	182.9	143.9
87.5°	93.0	97.9	184.9	145.9	122.9	70.0	86.9	115.9	155.9	78.0	60.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)